

## Product datasheet for **MC225854**

### Csn1s2b (NM\_001301334) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csn1s2b (NM\_001301334) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Csn1s2b  
**Synonyms:** AW987150; Cs; Csnd; Csne  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225854 representing NM\_001301334  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGTTCATCATTCTTACTTGCCTTTGGCCGTTGCTCTTGCAAAGCAGAGGATGGAGCAATACATCT  
CCAGTGAGGAGTCCATGGATAACTCTCAAGAAAACCTTAAAGCAGAATATGGATGTGGCCTTTTTCCAG  
TCAGGAACTGTAGAGAACATTTACATTCCTCCCAAATGGAATCTGTTGAAGCTCCCATGAAGGTATCTGAC  
ATCATTCTCAGCAACAATACAACCAGAAAATGATGGACATGAGTAAAACCTGTGATGACTGAAGAAAGTA  
AGAACATCCAAGACTACATGAACAAAATGAAACGATACAGCAAGATCACCTGGCCACAGTTTGTAAGCT  
TCTCCATCAATACCAGAAAACCATGACCCCGTGGAGCTATTACCCATCTACCCCCAGCCAGGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001301334  
**Insert Size:** 417 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u>NM_001301334.1</u> , <u>NP_001288263.1</u>
<b>RefSeq Size:</b>	751 bp
<b>RefSeq ORF:</b>	417 bp
<b>Locus ID:</b>	12992
<b>UniProt ID:</b>	<u>P02664</u>
<b>Cytogenetics:</b>	5 43.56 cM
<b>Gene Summary:</b>	<p>This gene is a member of the alpha-s2-like casein gene family, and this gene product is a calcium-sensitive casein. Members of this gene family are organized as a gene cluster that is conserved in its order, but with greater conservation amongst orthologs than paralogs. The protein encoded by this gene interacts with other casein proteins to form a micelle structure, and is a major source of protein in milk. This structure is important for the transport of calcium, phosphate, and protein. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.</p>